

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 329 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	29/07/91	Elevation:	340 metres
Map Ref.:	Sheet No. : 8157 GPS	Rainfall:	No Data
Northing/Long.:	7783290 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	408200 Datum: AGD66	Drainage:	Well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	20 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mottled Eutrophic Red Kandosol Medium Non-gravelly Loamy Clayey Very deep	Mapping Unit:	N/A
ASC Confidence:	No analytical data are available but confidence is fair.	Principal Profile Form:	Gn2.12
		Great Soil Group:	Red earth

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Isolated plants. *Species includes - Aristida species, Bothriochloa pertusa, Digitaria ciliaris Mid Strata - Tree, 1.01-3m, Mid-dense. *Species includes - Acacia shirleyi, Erythroxylon australe

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.11 m	Dark reddish brown (2.5YR3/3-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Clear, Smooth change to -
A3	0.11 - 0.22 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Clear, Smooth change to -
B21	0.22 - 0.7 m	Dark red (2.5YR3/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); Clear, Smooth change to -
B3	0.7 - 1.4 m	Dark red (2.5YR3/6-Moist); Substrate influence, 10YR68, 2-10% , 15-30mm, Prominent; Substrate influence, 2-10% ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 1.2); Clear, Smooth change to -
B/C	1.4 - 1.9 m	Dark red (2.5YR3/6-Moist); Substrate influence, 10YR68, 20-50% , 15-30mm, Prominent; Substrate influence, 20-50% ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable		CEC	ECEC		ESP	
m		dS/m	Ca	Mg	K	Na	Acidity					%
						Cmol (+)/kg						

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
										%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile